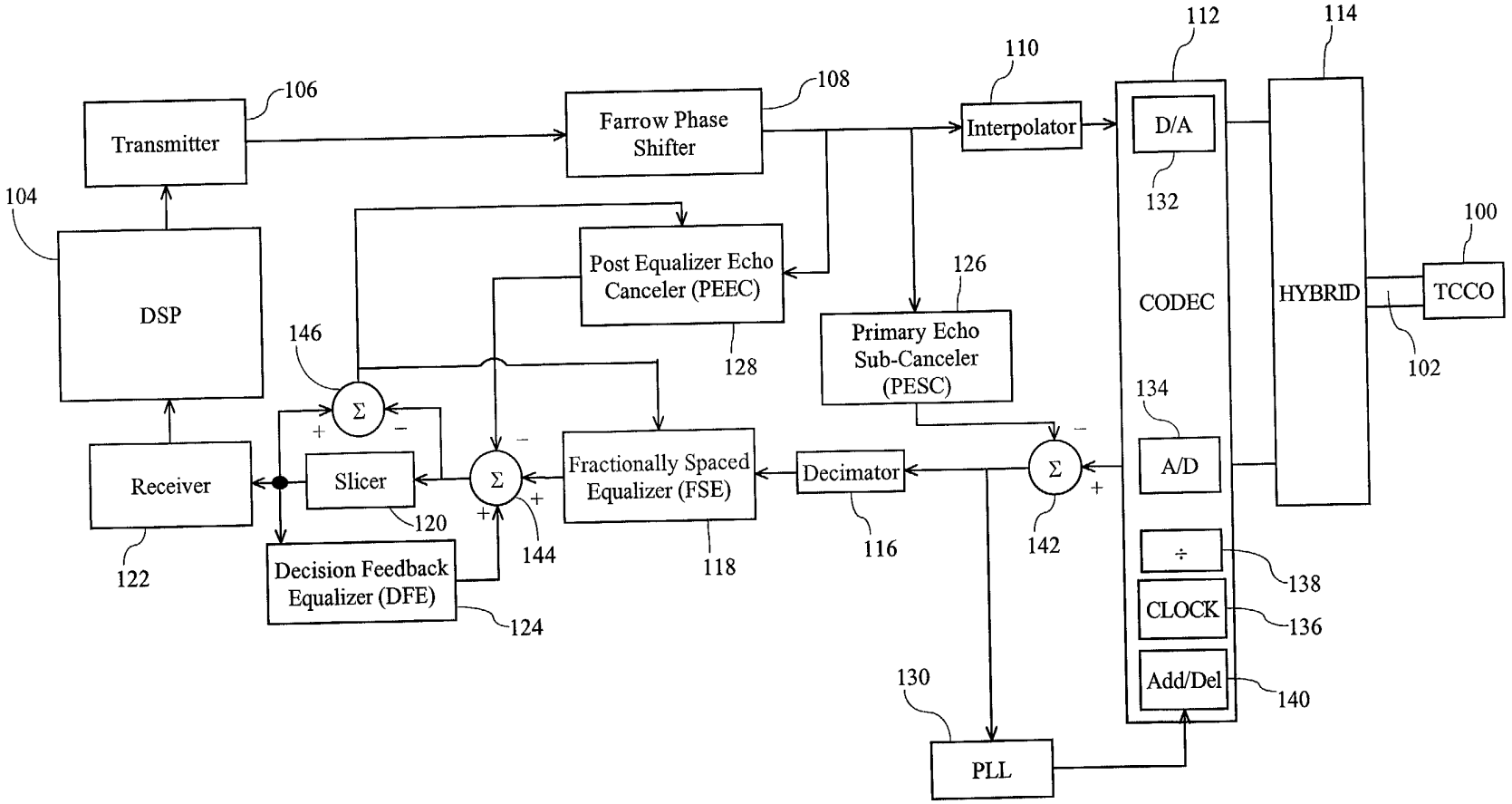
Transmitter
106
Farrow Phase Shifter
108
Interpolator
110
112
D/A
132
114
HYBRID
100
TCCO
102
104
DSP
Post Equalizer Echo Canceler (PEEC)
128
126
Primary Echo Sub-Canceler (PESC)
CODEC
146
Σ
+
−
Receiver
Slicer
120
Σ
−
+
144
Fractionally Spaced Equalizer (FSE)
118
Decimator
116
Σ
−
+
142
134
A/D
122
Decision Feedback Equalizer (DFE)
124
÷
138
CLOCK
136
Add/Del
140
130
PLL

FIG. 1